

SEQUENCE LISTING

<110> The Regents of the University of Colorado, a Body Corporate
Kim, Soo Hyun
Dinarello, Charles A.
Azam, Tania

<120> Compositions and Methods for Regulation of Tumor Necrosis
Factor Alpha

<130> UTC 08870

<140> PCT/US2004/037578

<141> 2004 11 12

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<170> PatentIn version 3.2

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 35 40 45

Asp Phe Lys Glu Gly Tyr Leu Glu Thr Val Ala Ala Tyr Tyr Glu Glu
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Gln His Pro Glu Leu Thr Pro Leu Leu Glu Lys Glu Arg Asp Gly Leu
 65 70 75 80

Arg Cys Arg Gly Asn Arg Ser Pro Val Pro Asp Val Glu Asp Pro Ala
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Thr Glu Glu Pro Gly Glu Ser Phe Cys Asp Lys Ser Tyr Gly Ala Pro
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Ser Ser Lys
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 35 40 45

Asp Phe Lys Glu Gly Tyr Leu Glu Thr Val Ala Ala Tyr Tyr Glu Glu
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Gln His Pro Glu Leu Thr Pro Leu Leu Glu Lys Glu Arg Asp Gly Leu
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Arg Cys Arg Gly Asn Arg Ser Pro Val Pro Asp Val Glu Asp Pro Ala
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Thr Glu Glu Pro Gly Glu Ser Phe Cys Asp Lys Val Met Arg Trp Phe
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Gln Ala Met Leu Gln Arg Leu Gln Thr Trp Trp His Gly Val Leu Ala
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Trp Val Lys Glu Lys Val Val Ala Leu Val His Ala Val Gln Ala Leu
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His Gln Ala Ile Glu Arg Phe Tyr Asp Lys Met Gln Asn Ala Glu Ser			
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Gly Arg Gly Gln Val Met Ser Ser Leu Ala Glu Leu Glu Asp Asp Phe			
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Lys Glu Gly Tyr Leu Glu Thr Val Ala Ala Tyr Tyr Glu Glu Gln His			
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Pro Glu Leu Thr Pro Leu Leu Glu Lys Glu Arg Asp Gly Leu Arg Cys			
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Ala Ala Tyr Tyr Glu Glu Gln His Pro Glu Leu Thr Pro Leu Leu Glu
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Lys Glu Arg Asp Gly Leu Arg Cys Arg Gly Asn Arg Ser Pro Val Pro
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Asp Val Glu Asp Pro Ala Thr Glu Glu Pro Gly Glu Ser Phe Cys Asp
85 90 95

Lys Val Met Arg Trp Phe Gln Ala Met Leu Gln Arg Leu Gln Thr Trp
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Trp His Gly Val Leu Ala Trp Val Lys Glu Lys Val Val Ala Leu Val
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His Ala Val Gln Ala Leu Trp Lys Gln Phe Gln Ser Phe Cys Cys Ser
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 <213> Equus caballus

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 35 40 45

Lys Phe Ser Glu Asn Ile Leu Asp Ala Val Glu Glu His His Gln Lys
 50 55 60

Asn Asn Ser Glu Ser Ala Pro Leu Leu Pro Asp Val Lys Pro Arg Leu
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Arg Arg Arg Ala Gln Lys Ser Ser Val Leu Asn Pro Glu Pro Glu Gly
 85 90 95

Pro Gly Ile Leu Gln Val Glu Ala Leu Glu Ala Pro Glu Pro Glu Glu

100 105 110
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 115 120 125
 Leu Lys Gln Arg Trp Gln Ala Val Leu Ala Trp Val Arg Glu Lys Val
 130 135 140
 Ala Ala Gly Trp Gln Ala Leu Cys Ser Val Ala Gln Ser Ile Asn Ser
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 Ile Gln Val

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 <213> Bos taurus

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 35 40 45
 Leu Ser Glu Asp Ile Cys Glu Phe Ile Glu Asp His Ile Gln Glu Asn
 50 55 60
 Leu Pro Glu Ser Leu Gln Glu Ser Ser Pro Leu Leu Gln Glu Ala Arg
 65 70 75 80
 Gln Gly Val Arg Arg Arg Ile Gln Arg Pro Ser Val Ser Ala Arg Leu
 85 90 95
 Glu Val Gln Asn Pro Glu Glu Ser Ile Trp Ala Arg Ala Leu Gly Arg
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 Phe Gln Val Ile Leu Gln Ser Leu Gln Gln Arg Cys Trp Asp Ala Leu
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 Thr Trp Leu Arg Glu Lys Ala Val Thr Phe Leu Glu Ala Ile Cys Ser

130 135 140

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 <213> Equus caballus

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Arg Asn Leu Gly Gly Arg Val Val Thr Met Thr Met Arg Arg Lys Asn
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Val Pro Pro Gln Val Asp Leu Gly Pro Leu Thr Ser Pro Phe Ser Gln
 65 70 75 80

Arg Thr Phe Arg Ser Asp Leu Cys His Leu Pro Thr Leu Asp Leu Ser
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<210> 21
 <211> 724
 <212> DNA
 <213> Bos taurus

<400> 21	
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<210> 22
 <211> 218
 <212> PRT
 <213> Bos taurus

<400> 22

Met Cys Phe Thr Lys Arg Asp Pro Arg Val Leu Ala Ser Phe Arg Val
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Leu Met Val Arg Ser Ser Phe Pro Arg Ile Ala Gly Val Arg Glu Ala
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Trp Val Leu Leu Gly Glu Ala Glu Asn Ile Leu Ala His Leu Gly Pro
 35 40 45

Ser Arg Glu Lys Asn Arg Asp Ser Phe Thr Gln Val His Leu Cys Ser
 50 55 60

Gln His Asn Leu Val Asp Glu Phe Phe Asp Thr Met Glu Asn Glu Pro
 65 70 75 80

Glu Gly Ala Gln Met Glu Ala Val Leu Ala Glu Thr Lys Glu Lys Phe
 85 90 95

Ile Lys Asp Ala Phe Lys Val Met Asp Asn His Ile Gln Glu Asn Ser
 100 105 110

Pro Glu Thr Leu Lys Glu Ser Ser Pro Leu Leu Gln Glu Ala Arg Gln
 115 120 125

Glu Val Arg Cys Arg Ile Gln Arg Arg Ser Val Ser Thr Ser Leu Glu
 130 135 140

Val Gln Asn Pro Glu Glu Ser Ile Trp Ala Arg Ala Leu Arg Gln Phe
 145 150 155 160

Leu Gly Ile Leu Gln Ser Phe Leu Ser Gly Cys Arg Asp Ala Leu Thr

165

170

175

Trp Leu Trp Glu Lys Ala Ala Ala Cys Leu Gln Ala Ile Cys Ser Ala
 180 185 190

Val Glu Ala Leu Trp Glu Val Leu Thr Asp Phe Cys Ser Phe Val Gly
 195 200 205

Gln Leu Leu Cys Arg Ser Leu Ile Gln Val
 210 215

<210> 23
 <211> 863
 <212> DNA
 <213> Bos taurus

<400> 23
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<210> 24
 <211> 127
 <212> PRT
 <213> Ovis aries

<400> 24

Met Cys Phe Ala Arg Gly Val Pro His Asp Gln Ala Ser Leu Arg Ser
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Met Leu His Thr Trp Val Asp His Val Cys Asp Lys Met Gly Asn Glu
 20 25 30

Pro Glu Glu Ala Gln Met Glu Ala Ala Leu Ala Glu Met Glu Glu Glu
 35 40 45

Leu Ser Lys Asp Val Cys Glu Ser Trp Lys Ile Thr Phe Lys Arg Thr
 50 55 60

Phe Pro Asn Pro Cys Arg Ser Pro Val Pro Cys Phe Arg Lys Arg Ser
 65 70 75 80

Lys Lys Tyr Ala Ala Glu Ser Arg Asp Pro Gln Ser Leu Pro Val Trp
 85 90 95

Arg Thr Arg Asn Arg Lys Arg Ala Ser Gly Pro Glu Pro Cys Gly Gly
 100 105 110

Ser Glu Val Phe Cys Gly Val Ser Gly Ser Gly Val Ala Met Tyr
 115 120 125

<210> 25
 <211> 811
 <212> DNA
 <213> Ovis aries

<400> 25
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<210> 26
 <211> 141
 <212> PRT
 <213> Sus scrofa

<400> 26

Met Arg Gly Val Ser Ala Thr Arg Thr Leu Pro Lys Ala Gly Pro Gln
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Pro Arg Ser Gly Leu Gly Leu Pro Leu Pro Arg Arg Val Pro Glu Pro
 20 25 30

Pro Pro Ile Pro Ala Glu Ser Ser Pro Leu Leu Asn Glu Val Arg Gln
 35 40 45

Gly Val Arg Ser Arg Val Arg Arg Pro Pro Gly His Asn Gln Pro His
 50 55 60

Tyr Ala Leu Ala Val Arg Glu Pro Arg Gln Ser Thr Phe Arg Arg Ile
 65 70 75 80

Leu Glu Leu Phe Glu Glu Met Leu Lys Arg Leu Gln Gln Arg Trp Arg
 85 90 95

Gly Ala Leu Ala Trp Val Gln Glu Arg Ala Ala Ala Cys Phe Arg Gly
 100 105 110

Leu Cys Arg Ala Leu Glu Ala Phe Trp Ser Leu Val Gln Ser Phe Cys
 115 120 125

Ser Ser Met Gly His Ala Phe Gly Ser Val Ile Gln Val
 130 135 140

<210> 27
 <211> 603
 <212> DNA
 <213> Sus scrofa

<400> 27

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